

Title (en)  
Ultrasonically visible scoring balloon

Title (de)  
Durch Ultraschall sichtbarer Scoring-Ballon

Title (fr)  
Ballonnet d'incision visible par ultrasons

Publication  
**EP 2564890 A1 20130306 (EN)**

Application  
**EP 12275128 A 20120830**

Priority  
GB 201115204 A 20110902

Abstract (en)  
An angioplasty balloon (40) is provided with a plurality of scoring elements (44) extending along the balloon (40). Within the scoring element (44) there are provided channels or lumens (36) extending therethrough. The channels or lumens (36) provide for Rayleigh scattering of ultrasonic waves directed to the balloon (40), thereby being visible by imaging devices. The channels or lumens (36) provide visibility of the balloon (40) during medical procedures, both when the balloon (40) is in a deflated, wrapped, condition and also when the balloon (40) is inflated. It is not necessary to use contrast media to fill the balloon (40).

IPC 8 full level  
**A61B 17/3207** (2006.01); **A61M 25/10** (2013.01)

CPC (source: EP GB US)  
**A61B 17/320725** (2013.01 - EP GB US); **A61B 90/39** (2016.02 - EP GB US); **A61M 25/10** (2013.01 - EP GB US);  
**A61B 2017/22061** (2013.01 - EP GB US); **A61B 2090/3925** (2016.02 - EP GB US); **A61B 2090/3954** (2016.02 - EP GB US);  
**A61M 25/1029** (2013.01 - GB); **A61M 2025/1079** (2013.01 - EP GB US); **A61M 2025/1086** (2013.01 - EP GB US);  
**A61M 2025/1088** (2013.01 - GB); **A61M 2025/109** (2013.01 - GB)

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US10478150B2

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Designated extension state (EPC)  
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